

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/25/2018 09:50 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125801	0	1.13	125868	1.11
Blue	F	SSC	125000	124026	-1	2.09	124737	2.09
Blue	E	FITC	15760	15346	-3	2.99	330	21.99
Blue	D	PE	25880	25389	-2	2.05	550	16.60
Blue	B	PerCP-Cy5-5	34075	34610	1	4.19	1058	22.19
Blue	A	PE-Cy7	22776	23129	1	7.34	557	44.33
Red	C	APC	42488	41725	-2	2.69	1586	13.15
Red	A	APC-Cy7	24478	24197	-2	2.75	838	12.86
Violet	B	V450	6304	6147	-3	3.99	340	16.86
Violet	A	V500	26005	25301	-3	3.55	592	12.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21392	4.48	607	10	N/A	N/A	Pass
Blue	F	SSC	56055	1.59	568	13	N/A	N/A	Pass
Blue	E	FITC	58	74.13	560	4	0.0170	236	Pass
Blue	D	PE	114	57.86	554	5	0.1355	320	Pass
Blue	B	PerCP-Cy5-5	200	54.95	656	9	0.0078	100	Pass
Blue	A	PE-Cy7	109	110.24	708	11	0.0095	28	Pass
Red	C	APC	375	27.30	600	0	0.0202	102	Pass
Red	A	APC-Cy7	207	28.97	572	1	0.0049	1404	Pass
Violet	B	V450	55	76.78	486	-3	0.0317	2457	Pass
Violet	A	V500	89	41.18	503	-3	0.0144	818	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/25/2018 09:50 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.21	-30.97	0.99
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	16.86	13.60 - 20.40	N/A	N/A	31.04	31.41	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11996

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments